

## 1.2 Meter Vehicle-Mount / Drive Away SNG Antenna System

### Ka-Band Option

#### Description

Type: DH 1.2 Meter VM Ku-band Antenna

1.2 Meter Vehicle-Mount / Drive Away SNG Antenna System is a sleek, simple to operate auto-deploy VSAT terminal which can be mounted on the roof of a vehicle. It is suitable for the most demanding applications. Its reflector optics feature a long focal length for excellent cross-pol performance. All three motorized axes have very low backlash and work together seamlessly with sophisticated integral sensors and Controller to ensure excellent pointing accuracy.

#### Key Features

- 1-Piece Carbon fiber folding Reflector.
- Pre-Assembled Tripod Base Mount w/Pull Pins.
- Ku and Ka Band Feed Systems Available.
- Sturdy Boom Accommodates Outdoor Units.
- Adjustable Feet for Uneven Surfaces.
- Optional Lightweight Cases for Easy Transportation.



RF & Antenna Specifications		
Ku-band Linear	Receive	Transmit
Frequency, GHz	10.95-12.75	13.75-14.5
Mid-Band Gain, dBi	42.1	43.3
VSWR	1.3:1	1.3:1
3dBBeam Width, deg	1.32	1.23
Noise Temperature		
20 Deg Elevation, K	54	
30 Deg Elevation, K	44	
Typical G/T @ 10 Deg, dB/K	21.1	
Tx Power Capability, W		1000
Port to Port Isolation		
Tx> Rx Rejection, dB		85
Cross-pol on Axis, dB	35	35
Insertion Loss, dB	0.4	0.25
Radiation Pattern Compliance	FCC 25.209, ITU-RS.580-6,	
First sidelobe, dB	≤ -14	
Sidelobe Envelope	29 - 25 log (1° ≤ θ < 20° )	
Feed Interface	WR-75 CPR	

Mechanical Specifications		
Antenna Optics	Single Offset	
Reflector Aperture	1.2 Meters (3.9Feet)	
Reflector Material	Carbon Fiber Reinforced Polymer	
Reflector Panels	1-piece	
Surface Accuracy (RMS)	0.35 mm	
Elevation Travel	0 to 90 ° Continuous,	
Azimuth Travel	± 180° Continuous,	
Pol. Travel	± 95° Continuous, Self Locking,	
Axes Velocities	Elevation	0.5°/S-3°/S
	Azimuth	0.5°/S-3°/S
	Pol.	0.7° /S
Power Supply	AC110 ~ 230V 50/60Hz	
Auto-acquisition mode	Beacon pointing/DVB	
Tracking Accuracy	0.045°	
Shipping Case	1 Case, airline checkable (IATA-compliant)	
Case Size	1900*1400* 600mm	
Total Weight	75Kg (without BUC)	
Environmental Performance		
Operational Wind	47km/h (29mph) with ballast	
Temperature	-40° C to +50° C	
Tightness class	IP67(Dust and Water Resistant)	
Humidity	0-98%	